

ORACLES - P-3 Orion - WFF 09/18/16 Science Report

Aircraft: [P-3 Orion - WFF](#) ([See full schedule](#))

Date: Sunday, September 18, 2016

Mission: ORACLES

Mission Location: Walvis Bay, Namibia

Mission Summary:

Walvis Bay local flight aiming for youngest, densest plume we could reach. Flew essentially along the coast to a study region along 11.5 E, 10 S to 12 S. Coordinated with ER-2 for 3 overpasses. Found a high, young, dense biomass burning plume, underlain by an older BB plume directly atop a thin but pretty uniform stratocumulus cloud deck. Good opportunities to examine aging issues, mixing patterns, and compare ER-2 remote sensign with in-situ data.

Submitted by: Steven Howell on 09/03/19

File:

 [PRF10_20160918_Report_SGH.pdf](#)

Related Flight Report:

P-3 Orion - WFF 09/18/16

Flight Number: ORACLES Science flight #10

Payload Configuration: ORACLES

Nav Data Collected: No

Total Flight Time: 8.2 hours

Archive Data: [20160918](#) (87 binary files; 24 archive (plain-text) files)

Submitted by: Cate Easmunt on 09/19/16

Flight Segments:

From:	FYWB	To:	FYWB
Start:	09/18/16 06:57 Z	Finish:	09/18/16 15:07 Z
Flight Time:	8.2 hours		
Log Number:	16P001	PI:	Jens Redemann
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	16P001
Flight Hours Approved in SOFRS	160
Total Used	155
Total Remaining	5

16P001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
07/31/16	ATF #1	Check	1.2	1.2	158.8	
08/02/16	PTF #1	Check	2.8	4	156	
08/05/16	PTF #2	Check	3.9	7.9	152.1	
08/12/16	ATF #2	Check	0.8	8.7	151.3	
08/24/16	Transit Flight #1	Transit	6	14.7	145.3	
08/25/16	Transit Flight #2	Transit	9.7	24.4	135.6	
08/27/16	Transit Flight #3	Transit	6.8	31.2	128.8	
08/30/16	ORACLES Science flight #1	Science	1.6	32.8	127.2	
08/31/16	ORACLES Science flight #2	Science	8.1	40.9	119.1	

09/02/16	ORACLES Science flight #3	Science	8.1	49	111
09/04/16	ORACLES Science flight #4	Science	8	57	103
09/06/16	ORACLES Science flight #5	Science	8	65	95
09/08/16	ORACLES Science flight #6	Science	8.1	73.1	86.9
09/10/16	ORACLES Science flight #7	Science	8.1	81.2	78.8
09/12/16	ORACLES Science flight #8	Science	8.4	89.6	70.4
09/14/16	ORACLES Science flight #9	Science	8.1	97.7	62.3
09/18/16	ORACLES Science flight #10	Science	8.2	105.9	54.1
09/20/16	ORACLES Science flight #11	Science	8.4	114.3	45.7
09/24/16	ORACLES Science flight #12	Science	9.2	123.5	36.5
09/25/16	ORACLES Science flight #13	Science	8.8	132.3	27.7
09/27/16	Return Transit #1	Transit	7.3	139.6	20.4
09/29/16	Return Transit #2	Transit	9.2	148.8	11.2
09/30/16	Return Transit #3	Transit	5.5	154.3	5.7
09/30/16	Return Transit #4	Transit	0.7	155	5

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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Page Editor: Brad Bulger

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